



## BL034000 Marine Engine Oil HPE 15W-40

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### Description

This high performance (HPE) multigrade diesel engine oil is specially designed for the lubrication of high-speed marine engines operating under severe conditions and under all weather conditions. The high quality base oils combined with superior additives, provides maximum oil drain intervals with excellent protection against wear and soot in either turbocharged or naturally-aspirated engines ensure maximum engine life and reduces maintenance costs.

### According to the specifications of

API CI-4  
Caterpillar ECF-1a  
Cummins CES 20076 / CES 20077 / CES 20078  
DAF  
Deutz DQC III-10  
Kubota  
MAN M 3275  
MB 228.3  
Mitsubishi  
Perkins  
Vetus  
Volvo VDS-3  
Yanmar

### Packaging units

| ART. NR. | VOLUME | ITEMS PER UNIT | ITEMS PER PALLET |
|----------|--------|----------------|------------------|
| BL034001 | 1 L    | 6              | 450              |
| BL034005 | 5 L    | 4              | 112              |
| BL034020 | 20 L   | 1              | 30               |
| BL034060 | 60 L   | 1              | 6                |
| BL034205 | 205 L  | 1              | 2                |
| BL034999 | 1000 L | 1              | -                |

## Standard analyses

| TEST                         | VALUE  |                    | METHOD |
|------------------------------|--------|--------------------|--------|
| Density at 15°C              | 0.885  | kg/l               |        |
| Viscosity                    | 15W-40 |                    |        |
| SAE                          | 15W-40 |                    |        |
| Kinematic Viscosity at 40°C  | 100    | mm <sup>2</sup> /s |        |
| Kinematic Viscosity at 100°C | 14     | mm <sup>2</sup> /s |        |
| Viscosity Index              | 135    |                    |        |
| Dynamic Viscosity at -20°C   | 6500   | mPa.s              |        |
| Flashpoint COC               | 220    | °C                 |        |
| Pourpoint                    | -36    | °C                 |        |
| Total Base Number            | 10.7   | mgKOH/g            |        |
| Sulphated Ash                | 1.34   | mass%              |        |

These characteristics are typical of current production. Variations in these characteristics may occur.